

U.S.S.N. 09/714,469
Filed: November 16, 2000
AMENDMENT

In the claims

Claims 1-49 have been cancelled.

50. (presently amended) A polymer composition comprising poly-3-hydroxybutyrate-co-4-hydroxybutyrate (P3HB4HB) blend and a nucleant with no plasticizer, wherein the percentage of 4-hydroxybutyrate (4HB) in the P3HB4HB is between 16% and 99%.

51. (unamended) The composition of claim 50 wherein the nucleant is boron nitride.

52. (unamended) The composition of claim 50 wherein the nucleant is present at levels between 0.1 and 20 wt% of the blend.

53. (unamended) The composition of claim 50 wherein the nucleant is present at levels between 1 and 10 wt% of the blend.

54. (presently amended) A method of producing a shaped polymeric object comprising melting a composition comprising a poly-3-hydroxybutyrate-co-4-hydroxybutyrate (P3HB4HB) blend wherein the percentage of 4-hydroxybutyrate (4HB) in the P3HB4HB is between 16% and 99% and a nucleant with no plasticizer, and producing a shaped object therefrom by extrusion, molding, coating, spinning, blowing, thermoforming or calendaring processes or combinations of the processes.

55. (unamended) The method of claim 54 wherein the nucleant is boron nitride.

56. (unamended) A shaped object made according to claim 54.

57. (unamended) A shaped object made according to claim 55.

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58. (presently amended) A polymer composition comprising a poly-3-hydroxybutyrate-co-4-hydroxyutyrate (P3HB4HB) blend and a nucleant with no plasticizer, wherein the nucleant is present at a level of 0.1 wt% of the composition.

59. (unamended) The composition of claim 58 wherein the nucleant is boron nitride.

60. (presently amended) A method of producing a shaped polymeric object comprising melting a composition comprising a poly-3-hydroxybutyrate-co-4-hydroxyutyrate (P3HB4HB) blend and a nucleant with no plasticizer, and producing a shaped object therefrom by extrusion, molding, coating, spinning, blowing, thermoforming or calendaring processes or combinations of the processes,

wherein the nucleant is present at a level of 0.1 wt% of the composition.

61. (unamended) The method of claim 60 wherein the nucleant is boron nitride.

62. (unamended) A shaped object made comprising the composition of claim 59.

63. (unamended) A shaped object made according to claim 60.

64. (presently amended) A polymer composition comprising poly-3-hydroxybutyrate-co-4-hydroxyutyrate (P3HB4HB) blend and a nucleant with no plasticizer wherein the composition is capable of forming a film having elongation.

65. (presently amended) The composition of claim 64 wherein the elongation at break is in the range between 560 % and 1100 % as measured by tensile testing on molded bars (5x2 mm section, 42 mm guage length, 10 mm:min crosshead speed).

66. (unamended) The composition of claim 64 wherein the nucleant is present at a level between 0.1 and 20 wt% of the composition.

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66. (unamended) The composition of claim 64 wherein the nucleant is present at a level between 1 and 10% of the composition.

67. (presently amended) A method of producing a shaped polymeric object comprising melting a composition comprising a poly-3-hydroxybutyrate-co-4-hydroxybutyrate (P3HB4HB) blend and a nucleant with no plasticizer, and producing a shaped object therefrom by extrusion, molding, coating, spinning, blowing, thermoforming or calendaring processes or combinations of the processes,

wherein the composition is capable of forming a film having elongation.

68. (presently amended) The method of claim 67 wherein the elongation at break is in the range between 560 % and 1100 % as measured by tensile testing on molded bars (5x2 mm section, 42 mm gauge length, 10 mm/min crosshead speed).

69. (unamended) The method of claim 67 wherein the nucleant is present at a level between 0.1 and 20 wt% of the composition.

70. (unamended) The method of claim 67 wherein the nucleant is present at a level of 1 to 10% of the composition.

71. (unamended) The method of claim 68 wherein the nucleant is present at a level between 0.1 and 20 wt% of the composition.

72. (unamended) The method of claim 68 wherein the nucleant is present at a level between 1 and 10% of the composition.

73. (unamended) The method of claim 67 wherein the nucleant is boron nitride.

74. (unamended) A shaped article made according to the method of claim 67.

75. (unamended) A shaped article made according to the method of claim 68.